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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/822,855	04/02/2001	Alex Holtz	1752.0130001	7187

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JOSEPH S. TRIPOLI
THOMSON LICENSING INC. /PATENT OPERATIONS
TWO INDEPENDENCE WAY
SUITE 200
PRINCETON, NJ 08540

EXAMINER

ROSWELL, MICHAEL

ART UNIT	PAPER NUMBER
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2173

DATE MAILED: 01/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/822,855

Applicant(s)

HOLTZ ET AL.

Examiner

Michael Roswell

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 November 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 26 November 2004 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 11 and 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Trumbull et al (US Patent 5,795,228), hereinafter Trumbull.

Regarding claims 1, 11 and 13, Trumbull teaches a method, system and computer program product for producing a show in a production environment having at least one processing unit in communication with a plurality of production devices, where the method, system and computer program receives a show rundown comprising a plurality of story files (taught as the creation of a show template that includes news video clips and other files, at col. 13, lines 50-58), and converting the show rundown into broadcast instructions (taught as the use of an Editing system [col. 13, lines 19-21] for controlling the Giant Display Assembly, Audio

Art Unit: 2173

Assembly and Lighting Assembly [col. 14, lines 1-8], used for creating a show by way of "show control signals", at col. 6, lines 43-46. Trumbull teaches transmitting commands to control a plurality of production devices, such as a camera, robotic pan/tilt head, audio mixer device, graphics device (see col. 6, lines 46-52, col. 7, lines 49-56, and col. 8, lines 1-10), teleprompting means (col. 11, lines 15-19) and a special effects device (col. 12, lines 1-6).

Regarding claim 2, Trumbull teaches receiving at least one story file that includes a script or graphic effects, taught as the use of content taken from news video clips, game shows, or talk shows, at col. 13, lines 55-58. Trumbull further teaches transmitting at least one command to a teleprompting means to display a script (col. 11, lines 15-19) and integrating graphic effects with video associated with at least one story file, at col. 7, lines 3-7.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 3-6, 8, 12 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trumbull and Kenny (US Patent 6,437,802).

Regarding claims 3, 12 and 14, Trumbull has been shown to teach receiving a show rundown comprising story files, and converting the show rundown into broadcast instructions for controlling show production devices.

Trumbull fails to explicitly teach monitoring inter-file activity and synchronizing the show rundown with the broadcast instructions.

Kenny teaches a throttler for rapid start-up for use with broadcast automation systems, such as that of Trumbull. Furthermore, Kenny teaches monitoring inter-file activity, taught as the use of a "Drain" process to deliver commands to the broadcast automation system and update the playlist and priority queue, at col. 4, lines 10-12. Furthermore, as the Drain process updates the playlist (which is analogous to the claimed "show rundown"), the broadcast instructions must be inherently updated in turn for the playlist changes to take place, taught as adding of new commands and updating of the priority queue by the Drain process, at col. 4, lines 10-12.

Therefore, it would have been obvious to one of ordinary skill in the art, having the teachings of Trumbull and Kenny before him at the time the invention was made to modify the broadcast automation system of Trumbull with the inter-file monitoring and modification of Kenny in order to obtain a broadcast automation system capable of updating a playlist and broadcast instructions "on the fly".

One would be motivated to make such a combination for the advantage of early execution of a playlist, execution of the playlist before its completion, and the use of a "live" operator interface. See Kenny, col. 1, lines 44-61.

Regarding claim 4, Kenny teaches polling the show rundown to detect inter-file modifications, including changes within the story files or the addition or deletion of story files to the show rundown, taught as the editing and updating of a playlist by Fill and Drain processes, at col. 4, lines 6-21.

Regarding claim 5, the broadcast instructions of Kenny must be inherently updated in order for the playlist changes to take place, taught as adding of new commands and updating of the priority queue by the Drain process, at col. 4, lines 10-12.

Regarding claim 6, Kenny teaches updating a queue of unexecuted events, at col. 4, lines 33-43.

Regarding claim 8, Kenny teaches updating broadcast instructions in real time, including changes within the story files or the addition or deletion of story files to the show rundown, taught as the editing and updating of a playlist by Fill and Drain processes, at col. 4, lines 6-21.

Claims 7 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Trumbull, Kenny and Tao (US Patent 6,441,832).

Trumbull and Kenny have been shown to teach a broadcast automation system capable of detecting inter-file modifications, implementing synchronization between a show rundown and broadcast instructions, and updating only an unexecuted portion of broadcast instructions.

Trumbull and Kenny fail to explicitly teach adjusting the unexecuted broadcast instructions such that a total execution time for the broadcast instructions does not exceed a predetermined time.

Tao teaches a processing apparatus and method for producing, modifying or deleting video and audio data. Furthermore, Tao teaches adjusting the unexecuted broadcast instructions such that a total execution time for the broadcast instructions does not exceed a

predetermined time, taught as the use of a "Browse" function for outputting a selected, unexecuted playlist for a predetermined period of time, at col. 12, lines 15-17.

Therefore, it would have been obvious to one of ordinary skill in the art, having the teachings of Trumbull, Kenny, and Tao before him at the time the invention was made to modify the broadcast automation system of Trumbull and Kenny to include the playlist duration specification of Tao, in order to obtain a broadcast automation system capable of playing a selected show for a specified amount of time.

One would be motivated to make such a combination for the obvious advantage of outputting a show or playlist within a constrained time period.

Regarding claim 9, Tao discloses the ability to create several playlist files, while retaining the ability to edit each one in real time (cols. 15-16, lines 60-67, 1).

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Trumbull, Tao, and Washino (US Patent 5,450,140).

Trumbull and Tao have been shown to teach a broadcast automation system utilizing a broadcast instruction time sheet (see Tao, Fig. 13), and with the ability to create several playlist files, while retaining the ability to edit each one in real time.

However, Trumbull and Tao fail to explicitly teach populating the broadcast instruction time sheet with icons capable of executing broadcast instructions when activated.

Washino teaches a video production system capable of integrating various production devices (see col. 1, lines 50-57), such as those used by Trumbull and Tao. Furthermore, Washino teaches the use of control-related icons that allow a user to control individual cameras (see col. 2, lines 10-15).

Therefore, it would have been obvious to one of ordinary skill in the art, having the teachings of Trumbull, Tao, and Washino before him at the time the invention was made to modify the broadcast automation time sheet of Trumbull and Tao to include the control icons of Washino in order to obtain a broadcast instruction sheet capable of giving control of a production device to a user through activation of a control icon.

One would be motivated to make such a combination for the obvious advantage of allowing a user control a production device through simple selection means.

Response to Arguments

Applicant's arguments with respect to claims 1, 2, 10, 11 and 13 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's arguments filed 27 September 2004 have been fully considered but they are not persuasive.

In response to applicant's argument that Kenny fails to teach synchronization of the show rundown with the broadcast instructions, the Examiner respectfully disagrees. Kenny teaches updating the playlist of a broadcast automation system, which in turn must inherently update the broadcast instructions of the system. Applicant discloses at pages 24-25 of the Specification:

"In an embodiment, a significant feature of the present invention is the ability to monitor and synchronize the producer's show rundown with the broadcast instructions. Referring to FIG. 3, at step 320, AVPS 1 16 automatically updates the approved broadcast instruction file as the show is executed. In other words, a processing unit (not shown) within the Full News Integration and Automation System 100 regularly monitors inter-file activity to detect changes in the show folder,

including the script text, graphic effects, file locations, etc. The processing unit also detects the addition or deletion of news stories on the producer's show rundown. If any of these changes are detected, the broadcast instructions are automatically revised to update the script, commands, instructions, timeline, etc."

Clearly Kenny teaches detection of edits made to a playlist, which must inherently update the broadcast instructions of the system to be displayed properly.

In response to applicant's argument that Tao fails to teach adjusting the unexecuted broadcast instructions such that that total execution time does not exceed a predetermined time, the Examiner respectfully disagrees. Tao teaches the use of a Browse function for specifying a play duration for a playlist. When the Browse function is used to specify the duration of an unexecuted playlist, all broadcast instructions are similarly unexecuted.

Conclusion

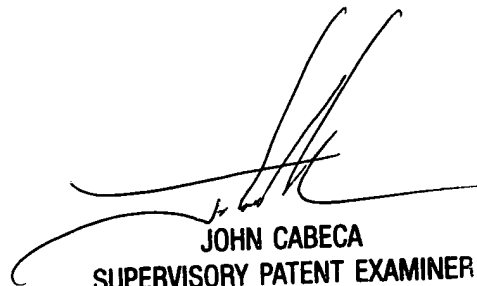
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Roswell whose telephone number is (571) 272-4055. The examiner can normally be reached on 8:30 - 6:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2173

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Roswell
12/21/2004



JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100